

# U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

ORDER 8100.18

**National Policy** 

06/27/2017

SUBJ: Aircraft Certification Service Organizational Realignment References

- 1. Purpose of this Order. This order provides information on using existing Aircraft Certification Service (AIR) orders, advisory circulars, policy statements, policy memos, technical standard orders (TSO), and quality management system (QMS) documents after the realignment of AIR offices into successor functional divisions. This order is intended to maintain the continuity of current practices and does not establish new policy.
- **2. Audience.** The audience for this order is employees of all AIR offices, divisions, directorates, and delegated organizations and designees.
- **3.** Where Can I Find This Order? You can find this order on the MyFAA Employee Web site at <a href="https://employees.faa.gov/tools\_resources/orders\_notices/">https://employees.faa.gov/tools\_resources/orders\_notices/</a>. This order is available to the public at <a href="http://www.faa.gov/regulations\_policies/orders\_notices/">http://www.faa.gov/regulations\_policies/orders\_notices/</a>.
- **4. Effective Date.** This order is effective on July 23, 2017.
- **5. Background.** In January 2016, AIR launched the Organizational Design Team (ODT). The ODT developed a plan to realign AIR from an organization in which directorates are responsible for certain types of products (transport airplanes, small airplanes, rotorcraft, and engines and propellers) to an organization of functional divisions.
- **a.** In the directorate-based organization, AIR is organized into the Office of the Executive Director (AIR-1), the Executive Support Office (AIR-10), the Alternative Fuels Program Staff (AIR-20), four divisions, and four directorates. The offices and divisions are part of the FAA's Headquarters offices.
- **b.** The four directorates located throughout the United States are the Engine and Propeller Directorate (ANE-100), the Rotorcraft Directorate (ASW-100), the Small Airplane Directorate, (ACE-100), and the Transport Airplane Directorate (ANM-100). The manager of each directorate reports to AIR-1.
- **c.** Each directorate has responsibility for overseeing the certification, production, and continued operational safety activities within its geographic area carried out by the Aircraft Certification Offices (ACO) and Manufacturing Inspection Offices (MIO). Each directorate has an assigned Standards Staff and Technical and Administrative Support Staff. There are also specialized certification offices which include the Engine Certification Office (ECO), the Military Certification Office (MCO), the Boeing Aviation Safety Oversight Office (BASOO), and the Delegation Systems Certification Office (DSCO).

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**d.** The realignment of AIR will eliminate the directorates and replace them with functional divisions. Existing offices will maintain their past roles and responsibilities, but will be realigned within one of the new divisions and assigned new organizational identifiers (codes). FAA Order 8100.5C, *Aircraft Certification Service – Mission, Vision, Organizational Structure and Functions*, describes AIR's functional divisions. Field offices will be reorganized incrementally as the new divisions evolve.

- **e.** After the directorate-based organization is realigned into functional divisions, those divisions will be identified as:
  - (1) Organizational Performance Division, AIR-300;
  - (2) International Division, AIR-400;
  - (3) Policy and Innovation (P&I) Division, AIR-600;
  - (4) Compliance and Airworthiness (C&A) Division, AIR-700;
  - (5) System Oversight (SO) Division, AIR-800;
  - (6) Enterprise Operations (EO) Division, AIR-900.
- **6.** Using Policy and Guidance in the Functional Divisions. After AIR offices are re-aligned, they will continue to use existing policy and guidance that includes references to the directorate-based organization. This order contains information in paragraph 6(f) and five appendices to assist in using policy and guidance in the functional divisions.
- **a.** Appendix A contains organizational charts that depict how the organization will be structured during the initial realignment phase.
- **b.** Appendix B contains a list of each office's organizational code under the directorate-based organization and their corresponding office code under the realigned functional division organization.
- **c.** Appendix C contains a list of AIR orders, advisory circulars, policy statements, policy memos, TSOs, and QMS instructions that were reviewed to determine the impact of the realignment to functional divisions and changing each office's organization code. Documents denoted in Appendix C with bold text are documents that require additional clarification beyond what is provided in paragraph 6(f).
- **d.** Appendix D provides the additional clarification for AIR orders, advisory circulars, policy statements, policy memos, TSOs, and QMS instructions denoted in Appendix C with bold text.
- **e.** Appendix E contains the information technology (IT) tools that were evaluated. Continue to use these IT tools using the directorate-based organizational codes.
  - **f.** For all documents in Appendix C:
- (1) Substitute any reference to an organizational code with the corresponding organizational code in the functional division as defined in Appendix B.

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- (2) For design approval coordination, substitute references to the:
- (a) Transport Airplane Directorate (ANM-100) with the P&I Transport Standards Branch (AIR-670).
- (b) Rotorcraft Directorate (ASW-100) with the P&I Rotorcraft Standards Branch (AIR-680).
- (c) Small Airplane Directorate (ACE-100) with the P&I Small Airplane Standards Branch (AIR-690).
- (d) Engine and Propeller Directorate (ANE-100) with the P&I Engine and Propeller Standards Branch (AIR-6A0).
- (e) Design, Manufacturing, & Airworthiness Division (AIR-100) for the Certification Procedures Branch (AIR-6C0).
- (3) All references to directorate geographic areas of responsibility related to Manufacturing Inspection Office (MIO), Manufacturing Inspection District Office (MIDO), Manufacturing Inspection Satellite Office (MISO), Certificate Management Office (CMO), Certificate Management Unit (CMU) or the Boeing Aviation Safety Oversight Office (BASOO) are replaced and understood to mean the SO Division.
- (4) All references to directorate geographic areas of responsibility related to Aircraft Certification Offices (ACO), Engine Certification Office (ECO), Military Certification Office (MCO) or the Delegation Systems Certification Office (DSCO) are replaced and understood to mean the C&A Division.
- (5) Refer production or airworthiness issues that require a directorate manager action to the SO Division Director.
- (6) Refer design approval and continued operational safety (including Airworthiness Directives (AD), Special Airworthiness Information Bulletins (SAIB) and Continued Airworthiness Notification to the International Community (CANIC), etc.) issues that require a directorate manager action to the C&A Division Director.
- (7) Refer enforcement activity requiring directorate manager action to the division director of the originating office.
- (8) Refer oversight activity requiring directorate manager action to the division director of the originating office.
  - (9) Replace all references to the Director of AIR with the Executive Director of AIR.
- (10) All references in documents controlled by AIR (signed at AIR-1 level or below) to the Transport Airplane Directorate, the Small Airplane Directorate, the Rotorcraft Directorate, the Engine and Propeller Directorate, or the Design, Manufacturing & Airworthiness Division for regulations (including special conditions, exemptions, etc.) and policy (including issue papers, equivalent safety findings, etc.) responsibility are replaced and understood to mean the P&I Division.

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**g.** When an issue requires involvement of more than one division director, the affected division directors must agree on one division director as the responsible division director. Coordination between the affected divisions is required; however, only the identified responsible division director needs to sign any related documents.

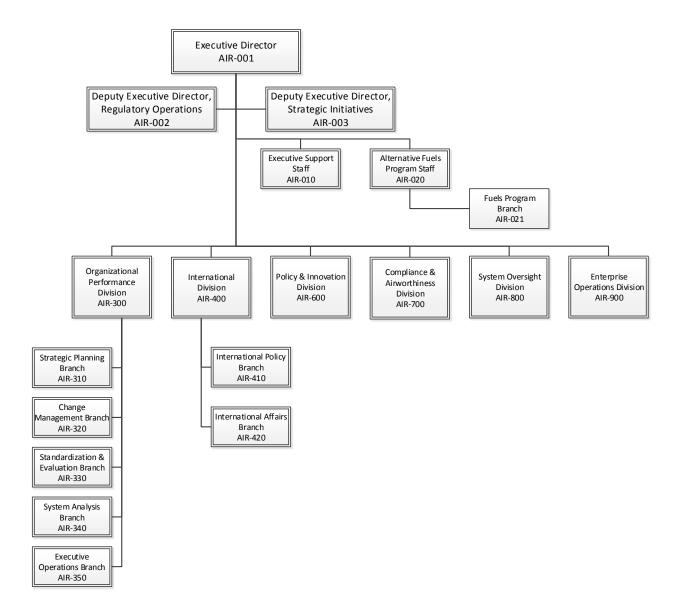
- **h.** All references to regional legal counsel will continue to remain valid as their offices are not part of AIR or the realignment.
- **7. Obtaining Additional Clarification.** If you require additional clarification on a document that has been reviewed, or use a document that needs to be addressed that is not included in Appendix C, please contact the office of primary responsibility as defined in Appendix B.
- **8. Revisions to this Order.** Revisions to this order are approved by the P&I Division Director.
- **9. Directive Feedback.** All feedback forms for orders and advisory circulars should be sent to the AIR Document Management Officer email box <u>9-AWA-AVS-AIR-DMO@faa.gov</u> or completed online at <a href="https://ksn2.faa.gov/avs/dfs/Pages/Home.aspx">https://ksn2.faa.gov/avs/dfs/Pages/Home.aspx</a>.

Susan J. M. Cabler

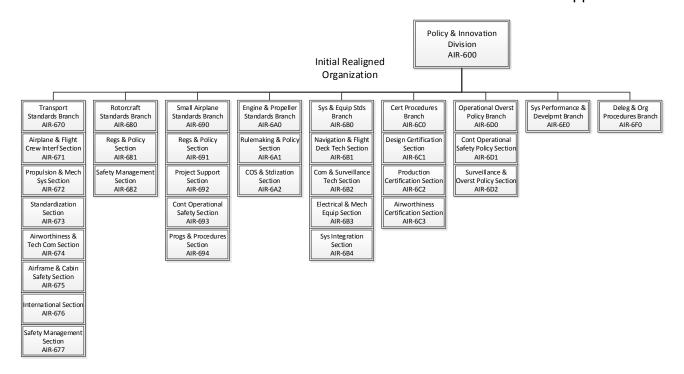
Acting Manager,

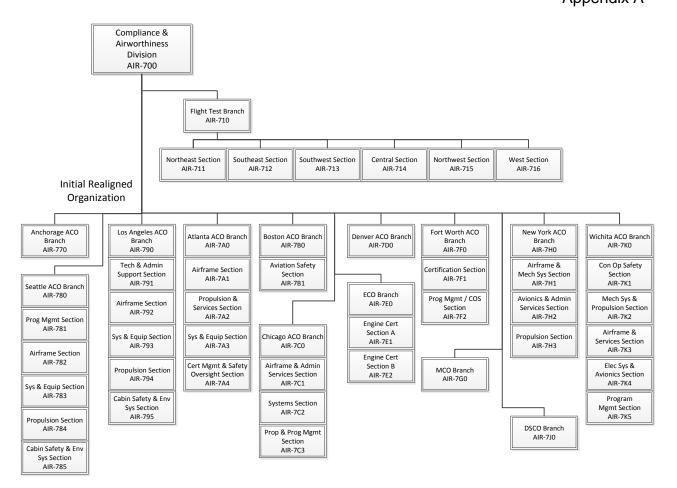
Design, Manufacturing & Airworthiness Division, AIR-100

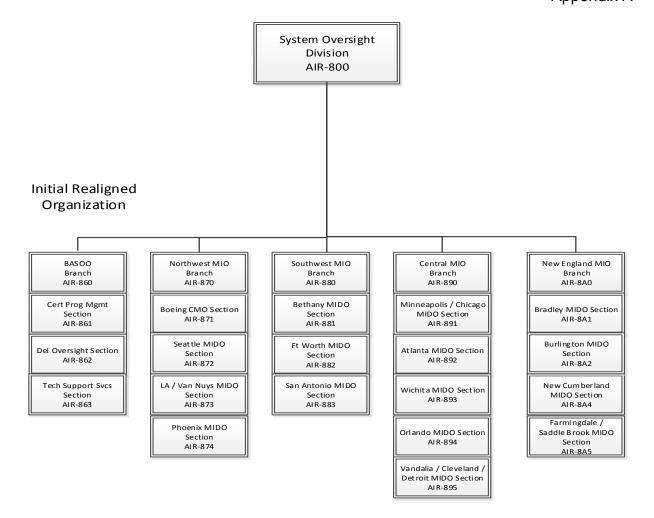
### Appendix A. Realigned AIR Organization



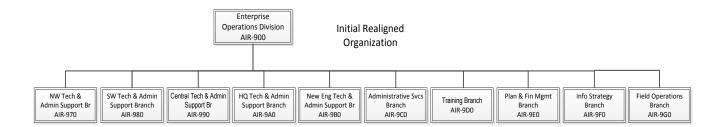
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## **Appendix B. Office Cross References**

Existing Routing Symbol (Deleted)	Realigned Organization Routing Symbol
ACE-100M – Military Certification Office	AIR-7G0 – MCO Branch
ACE-102W – Continued Operational Safety Branch	AIR-7K1 – Continued Operational Safety Section
ACE-103 – Technical & Administrative Support Staff	AIR-990 – Central Technical & Administrative Support Branch
ACE-110 – Standards Office	AIR-690 – Small Airplane Standards Branch
ACE-111 – Regulations & Policy Branch	AIR-691 – Regulations & Policy Section
ACE-112 – Project Support Branch	AIR-692 – Project Support Section
ACE-113 – Continued Operational Safety	AIR-693 – Continued Operational Safety Section
ACE-114 – Programs & Procedures Branch	AIR-694 – Programs & Procedures Section
ACE-115A – Atlanta Aircraft Certification Office	AIR-7A0 – Atlanta ACO Branch
ACE-115C – Chicago Aircraft Certification Office	AIR-7C0 – Chicago ACO Branch
ACE-115N – Anchorage Aircraft Certification Office	AIR-770 – Anchorage ACO Branch
ACE-115W – Wichita Aircraft Certification Office	AIR-7K0 – Wichita ACO Branch
ACE-116A – Flight Test Branch	AIR-712 – Southeast Section
ACE-116C – Airframe & Administrative Branch	AIR-7C1 – Airframe & Administrative Services Section
ACE-116W – Mechanical Systems & Propulsion Branch	AIR-7K2 – Mechanical Systems & Propulsion Section
ACE-117A – Airframe Branch	AIR-7A1 – Airframe Section
ACE-117C – Systems & Flight Test Branch (Systems Personnel)	AIR-7C2 – Systems Section
ACE-117C – Systems & Flight Test Branch (Flight Test Personnel)	AIR-713 – Southwest Section
ACE-117W – Flight Test Branch (Program Management Personnel)	AIR-7K5 – Program Management Section
ACE-117W – Flight Test Branch (Flight Test Personnel)	AIR-714 – Central Section
ACE-118A – Propulsion & Services Branch	AIR-7A2 – Propulsion & Services Section
ACE-118C – Propulsion & Program Management Branch	AIR-7C3 – Propulsion & Program Management Section
ACE-118W – Airframe & Services Branch	AIR-7K3 – Airframe & Services Section
ACE-119A – Systems & Equipment Branch	AIR-7A3 – Systems & Equipment Section
ACE-119W – Electrical Systems & Avionics Branch	AIR-7K4 – Electrical Systems & Avionics Section

Existing Routing Symbol (Deleted)	Realigned Organization Routing Symbol
ACE-120A – Certificate Management & Safety Oversight Branch	AIR-7A4– Certificate Management & Safety Oversight Section
ACE-180 – Manufacturing Inspection Office	AIR-890 – Central MIO Branch
ACE-MIDO-42 – Atlanta MIDO	AIR-892 – Atlanta MIDO Section
ACE-MIDO-43 – Wichita MIDO	AIR-893 – Wichita MIDO Section
ACE-MIDO-44 – Orlando MIDO	AIR-894 – Orlando MIDO Section
ACE-MIDO-46 – Minneapolis MIDO	AIR-891 – Minneapolis / Chicago MIDO Section
ACE-MIDO-47 – Cleveland MIDO	AIR-895 – Vandalia / Cleveland / Detroit MIDO Section
ACE-MIDO48 – Vandalia MIDO	AIR-895 – Vandalia / Cleveland / Detroit MIDO Section
ACE-MISO-53 – Detroit MISO	AIR-895 – Vandalia / Cleveland / Detroit MIDO Section
ACE-MISO-54 – Chicago MISO	AIR-891 – Minneapolis / Chicago MIDO Section
AIR-110 – Certification Procedures Branch	AIR-6C0 – Certification Procedures Branch
AIR-111 – Design Certification Section	AIR-6C1 – Design Certification Section
AIR-112 – Production Certification Section	AIR-6C2 – Production Certification Section
AIR-113 – Airworthiness Certification Section	AIR-6C3 – Airworthiness Certification Section
AIR-120 – Technical & Administrative Support Branch	AIR-9A0 – Headquarters Technical & Administrative Support Branch
AIR-130 – Systems & Equipment Standards Branch	AIR-6B0 – Systems & Equipment Standards Branch
AIR-131 – Navigation & Flight Deck Technologies Section	AIR-6B1 – Navigation & Flight Deck Technologies Section
AIR-132 – Communications & Surveillance Technologies Section	AIR-6B2 – Communication & Surveillance Technologies Section
AIR-133 – Electrical & Mechanical Equipment Section	AIR-6B3 – Electrical & Mechanical Equipment Section
AIR-134 – System Integration Section	AIR-6B4 – System Integration Section
AIR-140 – Operational Oversight Policy Branch	AIR-6D0 – Operational Oversight Policy Branch
AIR-141 – Continued Operational Safety Policy Section	AIR-6D1 – Continued Operational Safety Policy Section
AIR-143 – Surveillance & Oversight Policy Section	AIR-6D2 – Surveillance & Oversight Policy Section
AIR-150 – Systems Performance & Development Branch	AIR-6E0 – Systems Performance & Development Branch
AIR-160 – Delegation & Organizational Procedures  Branch	AIR-6F0 – Delegation & Organizational Procedures Branch
AIR-510 – Administrative Services Branch	AIR-9C0 – Administrative Services Branch
AIR-520 – Training Branch	AIR-9D0 – Training Branch

Existing Routing Symbol (Deleted)	Realigned Organization Routing Symbol
AIR-530 – Planning & Financial Management Branch	AIR-9E0 – Planning & Financial Management Branch
ANE-103 – Technical & Administrative Support Staff	AIR-9B0 – New England Technical & Administrative Support Branch
ANE-110 – Engine & Propeller Standards Staff	AIR-6A0 – Engine & Propeller Standards Branch
ANE-111 – Rulemaking & Policy Branch	AIR-6A1 – Rulemaking & Policy Section
ANE-112 – COS & Standardization Branch	AIR-6A2 – COS & Standardization Section
ANE-140 – Engine Certification Office	AIR-7E0 – ECO Branch
ANE-141 – Engine Certification Branch 141	AIR-7E1 – Engine Certification Section A
ANE-142 – Engine Certification Branch 142	AIR-7E2 – Engine Certification Section B
ANE-150 – Boston Aircraft Certification Office	AIR-7B0 – Boston ACO Branch
ANE-151 – Aviation Safety Branch	AIR-7B1 – Aviation Safety Section
ANE-170 – New York Aircraft Certification Office	AIR-7H0 – New York ACO Branch
ANE-171 – Airframe & Mechanical Systems Branch	AIR-7H1 – Airframe & Mechanical Systems Section
ANE-172 – Avionics & Administrative Services Branch	AIR-7H2 – Avionics & Administrative Services Section
ANE-173 – Propulsion & Flight Test Branch (Propulsion Personnel)	AIR-7H3 – Propulsion Section
ANE-173 – Propulsion & Flight Test Branch (Flight Test Personnel)	AIR-711 – Northeast Section
ANE-180 – Manufacturing Inspection Office	AIR-8A0 – New England MIO Branch
ANE-MIDO-41 – Bradley MIDO	AIR-8A1 – Bradley MIDO Section (Enfield, CT)
ANE-MIDO-42 – Burlington MIDO	AIR-8A2 – Burlington MIDO Section
ANE-MIDO-44 – New Cumberland MIDO	AIR-8A4 – New Cumberland MIDO Section
ANE-MIDO-46 – Farmingdale MIDO	AIR-8A5 – Farmingdale / Saddle Brook MIDO Section
ANE-MISO-45 – Saddle Brook MISO	AIR-8A5 – Farmingdale / Saddle Brook MIDO Section
ANM-100B – Boeing Aviation Safety Oversight Office	AIR-860 – BASOO Branch
ANM-100D – Denver Aircraft Certification Office	AIR-7D0 – Denver ACO Branch
ANM-100L – Los Angeles Aircraft Certification Office	AIR-790 – Los Angeles ACO Branch
ANM-100S – Seattle Aircraft Certification Office	AIR-780 – Seattle ACO Branch
ANM-102B – Certification Program Management Branch	AIR-861 – Certification Program Management Section
ANM-102S – Program Management Branch	AIR-781 – Program Management Section

Existing Routing Symbol (Deleted)	Realigned Organization Routing Symbol
ANM-103 – Technical & Administrative Support Staff	AIR-970 – Northwest Technical & Administrative Support Branch
ANM-103L – Technical & Administrative Support Staff	AIR-791 – Technical & Administrative Support Section
ANM-104B – Delegation Oversight Branch	AIR-862 – Delegation Oversight Section
ANM-106B – Technical Support Services Branch	AIR-863 – Technical Support Services Section
ANM-108 – Manufacturing Inspection Office	AIR-870 – Northwest MIO Branch
ANM-108B – Boeing Certificate Management Office	AIR-871 – Boeing CMO Section
ANM-108B – Charleston CMU-47	AIR-871 – Boeing CMO Section
ANM-108B – Everett CMU-41	AIR-871 – Boeing CMO Section
ANM-108B – Renton CMU-42	AIR-871 – Boeing CMO Section
ANM-108L – Los Angeles MIDO	AIR-873 – Los Angeles / Van Nuys MIDO Section
ANM-108P – Phoenix MIDO	AIR-874 – Phoenix MIDO Section
ANM-108S –Seattle MIDO	AIR-872 – Seattle MIDO Section
ANM-108V –Van Nuys MIDO	AIR-873 – Los Angeles / Van Nuys MIDO Section
ANM-110 – Transport Standards Staff	AIR-670 – Transport Standards Branch
ANM-111 – Airplane & Flight Crew Interface	AIR-671 – Airplane & Flight Crew Interface Section
ANM-112 – Propulsion & Mechanical Systems	AIR-672 – Propulsion & Mechanical Systems Section
ANM-113 – Standardization	AIR-673 – Standardization Section
ANM-114 – Airworthiness & Technical Communication	AIR-674 – Airworthiness & Technical Communications Section
ANM-115 – Airframe & Cabin Safety Branch	AIR-675 – Airframe & Cabin Safety Section
ANM-116 – International Branch	AIR-676 – International Section
ANM-117 – Safety Management Branch	AIR-677 – Safety Management Section
ANM-120L – Airframe Branch	AIR-792 – Airframe Section
ANM-120S – Airframe Branch	AIR-782 – Airframe Section
ANM-130L – Systems & Equipment Branch	AIR-793 – Systems & Equipment Section
ANM-130S – Systems & Equipment Branch	AIR-783 – Systems & Equipment Section
ANM-140L – Propulsion Branch	AIR-794 – Propulsion Section
ANM-140S – Propulsion Branch	AIR-784 – Propulsion Section
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Existing Routing Symbol (Deleted)	Realigned Organization Routing Symbol
ANM-150L – Cabin Safety, Mechanical & Environmental Systems	AIR-795 – Cabin Safety & Environmental Systems Section
ANM-150S – Cabin Safety & Environmental Systems Branch	AIR-785 – Cabin Safety & Environmental Systems Section
ANM-160L – Flight Test Branch	AIR-716 – West Section
ANM-160S – Flight Test Branch	AIR-715 – Northwest Section
ASW-103 – Technical & Administrative Support Staff	AIR-980 – Southwest Technical & Administrative Support Branch
ASW-110 – Rotorcraft Standards Staff	AIR-680 – Rotorcraft Standards Branch
ASW-111 – Regulations & Guidance Group	AIR-681 – Regulations & Policy Section
ASW-112 – Safety Management Group	AIR-682 – Safety Management Section
ASW-130 – Delegation Systems Certification Office	AIR-7J0 – DSCO Branch
ASW-140 – Fort Worth Aircraft Certification Office	AIR-7F0 – Fort Worth ACO Branch
ASW-141 – Shared Services Branch	AIR-713 – Southwest Section
ASW-142 – Certification Branch	AIR-7F1 – Certification Section
ASW-143 – Program Management Branch	AIR-7F2 – Program Management / COS Section
ASW-180 – Manufacturing Inspection Office	AIR-880 – Southwest MIO Branch
ASW-MIDO-41 – Bethany MIDO	AIR-881 – Bethany MIDO Section
ASW-MIDO-42 – Fort Worth MIDO	AIR-882 – Fort Worth MIDO Section
ASW-MIDO-43 – San Antonio MIDO	AIR-883 – San Antonio MIDO Section

## **Appendix C. Documents Reviewed**

### **ORDERS**

Order Number	Change	Title
VS 1100.2B		Managing AVS Delegation Programs
4040.26B		Aircraft Certification Service Flight Test Risk Management Program
8000.51C		Aircraft Certification Directorates' Delegation of Authority
8000.79		Use of Electronic Technology and Storage of Data
8000.372A		Unmanned Aircraft Systems (UAS) Designated Airworthiness Representatives (DAR) for UAS Certification at UAS Test
8000.95	2	Designee Management Policy
8040.1C		Airworthiness Directives
IR-M 8040.1C		Airworthiness Directives Manual
8040.5B		Airworthiness Directive Process for Mandatory Continuing Airworthiness Information
8100.8D		Designee Management Handbook
8100.11D		Requirements for Finding Undue Burden and No Undue Burden Under 14 CFR Part 21
8100.15B	2	Organization Designation Authorization Procedures
IR 8100.16		Aircraft Certification Service Policy Statement, Policy Memorandum, and Deviation Memorandum Systems
8110.4C	6	Type Certification
8110.9		Handbook on Vibration Substantiation and Fatigue Evaluation of Helicopter and Other Power Transmissions Systems
8110.37E		Designated Engineering Representative (DER) Handbook
8110.42D		Parts Manufacturer Approval Procedures
8110.48		How to Establish the Certification Basis for Changed Aeronautical Products
8110.49	2	Software Approval Guidelines
8110.51		Acceptability of Previously Approved Certification Compliance Data from Foreign Sources
8110.52A		Type Validation and Post-Type Validation Procedures
8110.53		Reciprocal Acceptance of Repair Design Data Approvals Between FAA and TCCA
8110.54A		Instructions for Continued Airworthiness Responsibilities, Requirements, and Contents
8110.55B		How to Evaluate and Accept Processes for Aeronautical Database Suppliers
8110.56A		Restricted Category Type Certification

Order Number	Change	Title
8110.100B		Special Airworthiness Information Bulletin
8110.101A		Type Certification Procedures For Military Commercial Derivative Aircraft
IR 8110.102		Implementing Risk Based Resource Targeting (RBRT)
8110.103B		Alternative Methods of Compliance (AMOC)
8110.105A		Simple and Complex Electronic Hardware Approval Guidance
8110.106		Assessing the Relative Risk of Title 14 CFR Parts
8110.107A		Monitor Safety/Analyze Data
8110.112A		Standardized Procedures for Usage of Issue Papers and Development of Equivalent
8110.113		Levels of Safety Memorandums  Approval of Flammability Test Data in Support of Major Repairs or Major Alterations
8110.115	1	Certification Project Initiation and Certification Project Notification
8110.116		Procedures for Requesting Development of SAE Standards
8110.117A		Service Bulletins Related to Airworthiness Directives
8110.118		Commercial Parts
8110.119		Streamlined Process for Parts Manufacturer Approval (PMA)
8110.120		Processing Surrendered, Abandoned, and Historical Aircraft Type Certificates
8110.121		Type Certificate Data Sheet (TCDS) Notes
8120.12A	1	Production Approval Holder Use of Other Parties to Supplement Their Supplier Control
8120.13A		Program International Corporation Supplier Surveillance Program Procedures
8120.16A		Suspected Unapproved Parts Program
8120.18		PAHs Who Rebuild or Alter Their Own Products Under 14 (CFR 43.3(j))
8120.22A		Production Approval Procedures
8120.23A		Certificate Management of Production Approval Holders
8130.2H		Airworthiness Certification of Aircraft and Related Product
8130.21H	1	Procedures for Completion and Use of the Authorized Release Certificate, FAA Form 8130-3, Airworthiness Approval
8130.34C		Airworthiness Certification of Unmanned Aircraft Systems and Optionally Piloted Aircraft
8130.35B		Amateur-Built Aircraft National Kit Evaluation Team
8150.1D		Technical Standard Order Program

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Order Number	Change	Title
8150.4		Certification of Cargo Containers with Self-Contained Temperature Control Systems (Active ULDs)

#### ADVISORY CIRCULARS

AC Number	Change Number	Title
00-56B		Voluntary Industry Distributor Accreditation Program
00-58B		Voluntary Disclosure Reporting Program
00-66		Selection of Cyclic Redundancy Code and Checksum Algorithms to Ensure Critical Data Integrity
00-68		Aircraft Certification Service Voluntary Disclosure Reporting Program
20-18B		Qualification Testing of Turbojet and Turbofan Engine Thrust Reversers
20-24D		Approval of Propulsion Fuels, Additives, and Lubricating Oils
20-27G		Certification and Operation of Amateur-Built Aircraft
20-29B		Use of Aircraft Fuel Anti-icing Additives
20-30B		Aircraft Position Light and Anticollision Light Installations
20-32B		Carbon Monoxide (CO) Contamination in Aircraft Detection and Prevention
20-37E		Aircraft Propeller Maintenance
20-38A		Measurement of Cabin Interior Emergency Illumination in Transport Airplanes
20-40		Placards for Battery-Excited Alternators Installed in Light Aircraft
20-41A		Substitute Technical Standard Order (TSO) Aircraft Equipment
20-42D		Hand Fire Extinguishers for use in Aircraft
20-44		Glass Fiber Fabric for Aircraft Covering
20-45		Safetying of Turnbuckles on Civil Aircraft
20-47		Exterior Colored Band around Exits on Transport Airplanes
20-53B		Protection of Aircraft Fuel Systems Against Fuel Vapor Ignition Caused by Lightning

AC Number	Change Number	Title
20-56A		Marking of TSO-C72b Individual Flotation Devices
20-60		Accessibility to Excess Emergency Exits
20-65A		U.S. Airworthiness Certificates and Authorizations for Operation of Domestic and Foreign Aircraft
20-66B		Propeller Vibration and Fatigue
20-67B		Airborne VHF Communication Equipment Installations
20-68B		Recommended Radiation Safety Precautions for Ground Operation of Airborne Weather Radar
20-69		Conspicuity of Aircraft Instrument Malfunction Indicators
20-71		Dual Locking Devices on Fasteners
20-73A		Aircraft Ice Protection
20-74		Aircraft Position and Anticollision Light Measurements
20-88A		Guidelines on the Marking of Aircraft Powerplant Instruments (Displays)
20-99		Antiskid and Associated Systems
20-100		General Guidelines for Measuring Fire-Extinguishing Agent Concentrations in Powerplant Compartments
20-104		Revised Powerplant Engineering Report No. 3A Standard Fire Test Apparatus and Procedure (for Flexible Hose Assemblies)
20-106		Aircraft Inspection for the General Aviation Aircraft Owner
20-107B	1	Composite Aircraft Structure
20-113		Pilot Precautions and Procedures to be taken in Preventing Aircraft Reciprocating Engine Induction System and Fuel System Icing Problems
20-115C		Airborne Software Assurance
20-116		Marking Aircraft Fuel Filler Openings with Color Coded Decals
20-118A		Emergency Evacuation Demonstration

AC Number	Change Number	Title
20-119		Fuel Drain Valves
20-120		Nondirectional Beacon Frequency Congestion
20-124		Water Ingestion Testing for Turbine Powered Airplanes
20-127		Use of Society of Automotive Engineers (SAE) Class H11 Bolts
20-128A		Design Considerations for Minimizing Hazards caused by Uncontained Turbine Engine and Auxiliary Power Unit Rotor Failure
20-131A		Airworthiness Approval of Traffic Alert and Collision Avoidance Systems (TCAS II) and Mode S Transponders
20-133		Cockpit Noise and Speech Interference Between Crewmember
20-134		Test Procedures for Maximum Allowable Airspeed Indicators
20-135		Powerplant Installation and Propulsion System Component Fire Protection Test Methods, Standards and Criteria
20-136B		Aircraft Electrical and Electronic System Lightning Protection
20-138D	2	Airworthiness Approval of Positioning and Navigation Systems
20-140C		Guidelines for Design Approval of Aircraft Data Link Communication Systems Supporting Air Traffic Services (ATS)
20-141B		Airworthiness and Operational Approval of Digital Flight Data Recorder Systems
20-144		Recommended Method for FAA approval of Aircraft Fire Extinguishing System Components
20-146		Methodology for Dynamic Seat Certification by Analysis for Use in Part 23, 25, 27, and 29 Airplanes and Rotorcraft
20-147A		Turbojet, Turboprop, Turboshaft, and Turbofan Engine Induction System Icing and Ice Ingestion
20-148		Reusable Software Components
20-149B		Installation Guidance for Domestic Flight Information Services - Broadcast
20-150B		Airworthiness Approval of Satellite Voice (SATVOICE) Equipment Supporting Air Traffic Service (ATS) Communication
20-151B		Airworthiness Approval of Traffic Alert and Collision Avoidance Systems (TCAS II), Versions 7.0 & 7.1 and Associated Mode S Transponders

AC Number	Change Number	Title
20-152		RTCA, Inc., Document RTCA/DO-254, Design Assurance Guidance for Airborne Electronic
		Hardware
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20-155A		Industry Documents To Support Aircraft Lightning Protection Certification
20-156		Aviation Databus Assurance
20-157		How to Prepare Reliability Assessment Plans for Aircraft Systems and Equipment
20-158A		The Certification of Aircraft Electrical and Electronic Systems for Operation in the High- Intensity Radiated Fields (HIRF) Environment
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20-168		Certification Guidance for Installation of Non-Essential, Non-Required Aircraft Cabin Systems & Equipment (CS&E)
20-169		Guidance for Certification of Military and Special Mission Modifications and Equipment for Commercial Derivative Aircraft (CDA)
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20-171		Alternatives to RTCA/DO-178B for Software in Airborne Systems and Equipment
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20-178		Flammability Testing of Aircraft Cabin Interior Panels After Alterations
20-179		Certification Data Retention Agreements and Government Records
20-181		Airworthiness Approval of Attitude Heading Reference System (AHRS) Equipment
20-182A		Airworthiness Approval for Aircraft Weather Radar Systems
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20-184		Guidance on Testing and Installation of Rechargeable Lithium Battery and Battery Systems on Aircraft
20-185		Airworthiness Approval of Synthetic Vision Guidance System
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21.25-1		Issuance of Type Certificate: Restricted Category Agricultural Airplanes
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21-2L		Complying with the Requirements of Importing Countries or Jurisdictions When Exporting U.S. Products, Articles, or Parts
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21-13		Standard Airworthiness Certification of Surplus Military Aircraft and Aircraft Built from Spare and Surplus Parts
21-16G		RTCA Document DO-160 versions D, E, F, and G, "Environmental Conditions and Test Procedures for Airborne Equipment
21-18		Bilateral Airworthiness Agreements
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21-24A		Extending a Production Certificate to a Facility Located in a Bilateral Airworthiness Agreement Country
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21-43A		Production Approvals Under Subparts G, K, & O
21-44A		Issuance of Export Airworthiness Approvals Under 14 CFR Part 21 Subpart L

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21-46A		Technical Standard Order Program
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21-49		Gaining Approval Of Seats With Integrated Electronic Components
21-50		Installation of TSOA Articles and LODA Appliances
21-51		Applicant's Showing of Compliance and Certifying Statement of Compliance
21-52		Obtaining Foreign Design Approval / Acceptance of U.S. Products and Articles
21-54		Experimental Airworthiness Certification of Certain Former Military Aircraft
21-55		Process to Support FAA Findings of Undue Burden or No Undue Burden for PAHs Requesting to Use a Manufacturing Facility Located Outside of the United States
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23.562-1		Dynamic Testing of Part 23 Airplane Seat/Restraint Systems and Occupant Protection
23.607-1		Self-Locking Nuts on Bolts Subject to Rotation
23.629-1B		Means of Compliance with Title 14 CFR, Part 23, § 23.629, Flutter
23.1309-1E		System Safety Analysis and Assessment for Part 23 Airplanes
23.1311-1C		Installation of Electronic Display in Part 23 Airplanes
23.1419-2D	1	Certification of Part 23 Airplanes for Flight in Icing Conditions
23.1521-1B		Type Certification of Automobile Gasoline in Part 23 Airplanes with Reciprocating Engines
23.1521-2	1	Type Certification of Oxygenates and Oxygenated Gasoline Fuels in Part 23 Airplanes with Reciprocating Engines
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23-10		Auxiliary Fuel Systems for Reciprocating and Turbine Powered Part 23 Airplanes
23-11B		14 CFR Part 23 Type Certification of an Airplane Originally Certificated to European Aviation Safety Agency (EASA) (CS-VLA) Standards or Joint Aviation Requirements "Very Light Airplane (JAR-VLA)
23-13A		Fatigue, Fail-Safe, and Damage Tolerance Evaluation of Metallic Structure for Normal, Utility, Acrobatic, and Commuter Category Airplanes
23-14		Type Certification Basis for Conversion from Reciprocating Engine to Turbine-Powered Part 23 Airplanes
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23-16A		Powerplant Guide for Certification of Part 23 Airplanes and Airships
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23-18		Installation of Terrain Awareness and Warning System (TAWS) Approved for Part 23 Airplanes
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23-20		Acceptance Guidance on Material Procurement and Process Specifications for Polymer Matrix Composite Systems
23-21	1	Airworthiness Compliance Checklists Used to Substantiate Major Alterations for Small Airplanes
23-22		Guidance for Approved Model List (AML) Supplemental Type Certificated (STC) Approval of Part 23 Airplane Avionics Installations
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25.571-1D		Damage Tolerance and Fatigue Evaluation of Structure
25.613-1		Material Strength Properties and Material Design Values
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25.856-1		Thermal/Acoustic Insulation Flame Propagation Test Method Details
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25.856-2A		Installation of Thermal/Acoustic Insulation for Burnthrough Protection
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25.1529-1A		Instructions for Continued Airworthiness of Structural Repairs on Transport Airplanes
20.1029-1A		manuctions for Continued Anworthiness of Structural Repails of Transport Alipianes
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27-1B	7	Certification of Normal Category Rotorcraft
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00.4.4		Landau etiana fan Oantinua d Ainua ethia ana
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33.4-2		Instructions for Continued Airworthiness: In-Service Inspection of Safety Critical Turbine Engine Parts at Piece-Part Opportunity
33.4-3	1	Instructions for Continued Airworthiness, Aircraft Engine High Intensity Radiated Fields (HIRF)
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33.15-1		Manufacturing Process of Premium Quality Titanium Alloy Rotating Engine Components
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33.17-1A		Engine Fire Protection
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33.27-1A		Engine and Turbosupercharger Rotor Overspeed Requirements of 14 CFR § 33.27.
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33.28-1		Compliance Criteria for 14 CFR § 33.28, Aircraft Engines, Electrical and Electronic Engine
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33.28-2		Guidance Material for 14 CFR 33.28, Reciprocating Engine, Electrical and Electronic Engine
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33.90-1A		Initial Maintenance Inspection (IMI), 14 CFR 33.90, Test for Turbine Engines
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33-2C		General Type Certification Guidelines for Turbine Engines
00 =0		Constant type commonwers can be really and a regiment
33-5		Turbine Engine Rotor Blade Containment/Durability
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33-6	1	Weld Repair of Aluminum Crankcases and Cylinders of Piston Engines
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33-7A		Guidance for 30-Second and 2-Minute One-Engine-Inoperative (OFI) Ratings for Rotorcraft
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33-8		Guidance for Parts Manufacturer Approval of Turbine Engine and Auxiliary Power Unit Parts
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35.4-1		Propeller Instructions for Continued Airworthiness
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39-8		Continued Airworthiness Assessments of Powerplant and Auxiliary Power Unit Installations of Transport Category Airplanes
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45-3A		Installation, Removal or Change of Identification Data and Identification Plates on Aircraft Engines
45-4		Identification, marking, and placarding of aircraft issued special airworthiness certificates in the light-sport category (S-LSA) and aircraft issued experimental certificates for the purpose of operating light-sport aircraft (E-LSA)
91-33A		Use of Alternate Grades of Aviation Gasoline for Grade 80/87, and Use of Automotive Gasoline
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91-62A		Use of Child Seats in Aircraft
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120-94		Aircraft Electrical Wiring Interconnection Systems Training Program
120-97A	1	Incorporation of Fuel Tank System Instructions for Continued Airworthiness into Operator Maintenance or Inspection Programs
120-98A	1	Operator Information for Incorporating Fuel Tank Flammability Reduction Requirements into a Maintenance or Inspection Program
120-102A		Incorporation of Electrical Wiring Interconnection Systems Instructions for Continued Airworthiness into an Operator's Maintenance Program
120-104		Establishing and Implementing Limit of Validity to Prevent Widespread Fatigue Damage
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187-2		Aircraft Certification Service Fees for Providing Production Certification-Related Services Outside of the United States

### POLICY MEMORANDUMS AND POLICY STATEMENTS

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Policy Number	Title
	Standards of Conduct for International Activities
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	Transferring Sensitive Information to International Partners
	Safety Continuum for Part 27 Normal Category Rotorcraft Systems and Equipment
01/115/36	Seat Technical Standard Order Authorization and Installation Assessment
08-04	Documenting Working Arrangements with other Civil Aviation Authorities
08-05	Incorporation of Amendment 24 to 14 CFR Part 36 into Bilateral Aviation Safety Agreement (BASA) Implementation Procedures for Airworthiness
08-06	Update - Interactions with JCAB Regarding Test Witnessing and Conformity Inspections
09-01	Deviation to FAA Orders that Require Notification of Designee Activity to Other Aviation Authorities
12-03	Guidance for International Correspondence
14-01	Employee time in excess of standard work day spent conducting duties under provisions of a Reimbursable Agreement with another Civil Aviation Authority
14-02	International Travel Policy associated with official government travel under the provisions of a Reimbursable Agreement with another Civil Aviation Authority
14-03	Updated Guidance concerning International Travel
97-111-34	Installation of In-Seat Power Supply Systems (ISPSS) for Portable Electronic Devices (PED)
97-113-143	Standards for Cargo or Baggage Compartments
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AC 20-138B GPWS	AC 20-138B GPWS or Class A TAWS Mode 5 Alert

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ACE-00-23.561-01	Issuance of Policy Statement, Methods of Approval of Retrofit Shoulder Harness Installations in Small Airplanes
ACE-110_19971201	Certification of Small, Single-Engine Piston or Turbopropeller Airplanes Used for Special Purpose Agricultural Operations
AIR-100_12-10-05	Application of Extending the Limit of Validity for Part 25 Transport Airplanes Under Title 14, Code of Federal Regulations (14 CFR) 21.101
AIR-100_12-10-10	Installation Approval for ADS-B Out Systems
AIR-100_12-10-11	Conduct Certain Ground Tests without a Type Inspection Authorization (TIA)
AIR-100_2011-12-12	Deviation from MCAI Order 8040.5 for AD Templates
AIR-100_2013-04-15	TSO-C151c, Terrain Awareness and Warning System (TAWS) Environmental Qualification Language Clarification
AIR-100-10-130-001	Policy Statement on Airport Map Database (AMD) Accuracy
AIR-100-12-110-001	Application of Electrical and Electronic System Lightning Protection Final Rules under Title 14, Code of Federal Regulations (14 CFR) § 21.101
AIR-100-12-110-002	Approval of Temperature Controlled Shipping Containers (Non-ULD), Revision 2.1
AIR100-13-110-800	Newly Revised FAA Forms 8110-9, Type Certificate, and 8110-2, Supplemental Type Certificate
AIR100-14-110-DM14	Approved Deviation to FAA Order 8110.4C paragraph 3-3.e.(20) and Order 8130.2G paragraph 306.f.(2).
AIR100-14-110-GM26	PMA combination of non-related previously approved articles or "kits"
AIR100-14-110-PM05	Revised Policy on Focal Point ACOs For Restricted Category/Military Surplus Aircraft
AIR100-15-110-DM29	Deviation to FAA Order 8110.112A, Standardized Procedures for Usage of Issue Papers and Development of Equivalent Levels of Safety Memorandums, Appendix E
AIR-100-200_2011-08-18	Deviation to FAA Orders 8110.4C, Change 4 and 8120.2G
AIR100-2010-02	Additional Responsibilities of Limited Category Type Certificate (LTC) Holders for Parts Production Under a Type Certificate
AIR100-2010-120-003	Acceptance of Composite Specification and Design Values Developed using the NCAMP Process
AIR-100-2011-02-23	Use of paragraph (d) of the Hight-intensity Radiated Fields (HIRF) Protection Regulations for Aircraft Electrical and Electronic Systems starting December 1, 2012
AIR-100-ALL-005	AIR Project Prioritization and Resource Management

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AIR-100-EWIS-4-6-10	Approval of Electrical Wiring Interconnection System
AIR-100-HIRF Final Rule under 21.10	Final Rule under 21.101
ANE-110_2012-06-29	Clarifying certain engine ICA requirements
ANE-2006-33.15-1	Microstructure examination of reciprocating engine
ANE-2006-33.19-2	PMA or STC Approval of Reciprocating Engine External Accessory Replacement Parts, Part 33
ANE-2006-33.3-4	Repair and Alteration of Rotating Turbine Engine-Life-Limited Parts,
ANE-2006-33.7-4-1	Diesel (Compression Ignition) Engine Certification
ANE-2006-33.94-2	Use of Structural Dynamic Analysis Methods for Blade Containment and Rotor Unbalance Tests
ANE-2007-33.70-1	Policy for Continued Airworthiness Assessment Methodology for Turbine Engine Rotating Life-Limited Parts Life Shortfall
ANE-2007-33.78-1	Guidance for Rain and Hail Ingestion Testing for Turbine Engines
ANE-2010-33.7-5A	Policy for Aviation Fuel and Oil Operating Limitations, § 33.7 [ANE-2010-33.7-5A]
ANM-01-04	System Wiring Policy for Certification of Part 25 Airplanes.
ANM-01-111-165	Power Supply Systems for Portable Electronic Devices
ANM-02-113-011	Application of Amendment 25-102; Fuel Tank Prevention and Flammable Vapor Minimization
ANM-03-111-07	Policy Statement on Testing of Flightcrew Oxygen Masks for Transport Category Airplanes
ANM-03-111-18	Installation of Transport Category Airplane Flightdeck Liquid Crystal Displays
ANM-03-115-28	Use of Surrogate Parts When Evaluating Seatbacks and Seatback Mounted Accessories for Compliance with §§ 25.562(c)(5) and 25.785(b) and (d)
ANM-03-115-30	Side-facing Seats on Transport Category Airplanes
ANM-03-115-31	Conducting Component Level Tests to Demonstrate Compliance with §§ 25.785(b) and (d)
ANM-05-115-019	Unbalanced and Mass-Balanced Control Surfaces

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ANM-113-04-032	In-seat Video System (IVS)
ANM-115-05-001	Installation of "No Stowage" Placards on Surfaces Not Designed or Intended To Be Used for Stowage
ANM-115-05-016	Minimizing potential Injury Hazards of Deployment Mechanisms
ANM-115-05-14	Front row passenger seats
ANM-115-07-002	Policy Statement on certification for flammability of lightweight seat cushions
ANM-115-08-02	Type III and IV exits on transport category airplanes
ANM-115-09-014	Notice to Rescind Policy Statement PS-ANM100-2002-00102, "Requirement for Flight Flutter Tests to Determine Freedom from Shock Induced Flutter Phenomena", originally issued March 5, 1981
ANM-115-09-017	Interaction of Interior Structures, Including Seats
ASW-100_2013-12-20	Cancellation of FAA Order 8110.41A
ASW-100-09-003	Policy Statement Concerning Life Limits and Instructions for Continued Airworthiness for Rotorcraft
PS-01-115-38	Further Information with respect to use of Industry Standards in Seat Certification
PS-ACE 100-2002-006	Material Qualification and Equivalency for Polymer Matrix Composite Material Systems
PS-ACE100-2001-004	Guidance for Reviewing Certification Plans to Address Human Factors for Certification of Part 23 Small Airplanes
PS-ACE100-2001-006	Static Strength Substantiation of Composite Airplane Structure
PS-ACE100-2002-002	Installation Approval of Multi-Function Displays Using the AML STC Process
PS-ACE100-2002-003	Standardization of Application of 14 CFR Part 23, § 23.1309 Regarding Hazardous Misleading Heading Information for Attitude-Heading Reference Systems (AHRS)

Policy Number	Title
PS-ACE100-2002-004	Diesel Engine Installation
PS-ACE100-2002-008	Propeller Testing Vd Versus VNE
PS-ACE100-2004-10024	Installation of Electronic Engine Control for Reciprocating Engine
PS-ACE100-2004-10030	Substantiation of Secondary Composite Structures
PS-ACE100-2005-10038	Bonded Joints and Structures - Technical Issues and Certification Considerations
PS-ACE100-2010-001	14 CFR Part 23, & 23.1357, Advisory Circulars (AC) 23-17B, 25-16 and 120-80; Re-setting Circuit Breakers and Replacing Fuses
PS-ACE-100-2010-003	Clarification of Requirements for 14 CFR Part 23, LED Installations in Taxi and Landing Lights
PS-ACE100-2-18-1999	Temperature differential between Wet Glass Transition
PS-ACE-23-01-R1	Installation of Mounting Devices and Wiring Integration for Attachment of Portable Displays and Electronic Devices in Normal, Utility, and Acrobatic Category Airplanes.
PS-ACE-23-05	Type Certification Policy for Approval of Use of Type II, III, and IV Deicing/Anti-Icing Fluids on Airplanes Certificated Under 14 CFR Parts 23 and 25
PS-ACE-23-07	Guidance for Combination (COMBI) Passenger and Cargo 14 CFR Part 23/CAR 3 Airplanes
PS-ACE-23-08	Replacement of Vacuum Driven Attitude Indicators in 14 CFR, Part 23/CAR 3 Airplanes
PS-ACE-23-2	Installation of Wireless Local Area Network using IEEE 802.11 Protocols
PS-AIR-100 14 CFR 21.101	14 CFR 21.101(e) Time Limitations for Applications for Changes to Type Certificates
PS-AIR100-2002-00132	One Only Supplemental Type Certificates Involving Foreign Registered Aircraft
PS-AIR100-2002-00133	Adherence to FAA Order 8110.4B, Type Certification
PS-AIR-100-2003-09-12-03- ResMII	Restricted Category/Military Surplus Program Management
PS-AIR100-2004-02/25/04	STC Documentation
PS-AIR100-2004-LResCat	Large Agricultural Restricted Category Airplane
PS-AIR100-2006-MMPDS	Metallic Materials Properties Development and Standardization (MMPDS) Handbook

Policy Number	Title
PS-AIR-100-2007-12-27	Enhanced Airworthiness Program for Airplane Systems (EAPAS)
PS-AIR-100-2007-12-27A	Enhanced Airworthiness Program for Airplane Systems (EAPAS) Supplemental Type Certificate (STC) Limitation
PS-AIR-100-2007-12-27B	Enhanced Airworthiness Program for Airplane Systems (EAPAS) Supplemental Type Certificate (STC) limitation
PS-AIR-100-2009-05-27	Adding Part 26 to Type Certificate Data Sheets and Supplemental Type Certificates
PS-AIR-100-2009-07-01	Fuel Tank Flammability Reduction (FTFR)
PS-AIR-100-May-4-2010 EAPAS FTS	Authorization and Delegation of Functions Related to the Enhanced Airworthiness Program for Airplane Systems/Fuel Tank Safety Rule (EAPAS/FTS)
PS-AIR110-10/29/2004	Time Limitations for Applications for Changes to Type Certificates
PS-AIR110-4-16-2009	Response to Request to Deviate from Policy, FAA Order 8110.4C, Type Certification
PS-AIR110-9/30/2004	Foreign Military Certification Procedures - Cancelled
PS-AIR-21.16-02	Establishment of Special Conditions for Cyber Security
PS-AIR-21.8-1602	Approval of Non-Required Safety Enhancing Equipment (NORSEE)
PS-AIR-21-1601	FAA Order 8110.42D, Parts Manufacturer Approval Procedures - Use of Parts Manufacturer Approvals (PMA) for Minor Type Design Changes to Products
PS-ANE100-1988-00007	Clarification guidance on implementation of FAR Section 33.88 Overtemperature Test
PS-ANE100-1994-00008	Engine Inoperative Ten Minute Takeoff
PS-ANE100-1997-00001	Policy for Parts Manufacturer Approval (PMA) of Reciprocating Engine Critical, Highly Stressed or Complex Parts or Components
PS-ANE100-1997-00004	Engine Overtemperature Test; Governing Temperature Location
PS-ANE100-1997-00012	Electronic Controls Software Level for APU TSO Approval
PS-ANE100-1998-00002	Turbine Engine PMAs Policy for the Design Approval of Parts Manufacturer Approval (PMA) of Critical and Life-Limited Aircraft Turbine Engine Parts
PS-ANE100-1998-00003	Parts Manufacturer Approval (PMA) Engineering Design Approval Basis - Identicality versus Test and Computation for Engine and Propeller Parts
PS-ANE100-1999-00006	Risk Assessment for Reciprocating Engine Airworthiness Directives

Policy Number	Title
PS-ANE100-1999-00009	Methods of compliance for Title 14 of the Code of Federal Regulations (14 CFR) Parts 33.51 Operation test
PS-ANE100-1999-00011	Durability Substantiation of Reciprocating Engine Redesigned Parts (PMA, STC, Type Design Change)
PS-ANE100-1999-33/35-R0	Policy for Rule and Advisory Material Development under Title 14 of the Code of Federal Regulations (14 CFR) Parts 33 and 35
PS-ANE100-2000-00010	Visible Dye Penetrant Inspection of Safety Critical Parts for Engines, Propellers, and APUs
PS-ANE100-2001-1993- 33.28TLD-R1	Policy for Time Limited Dispatch (TLD) of Engines Fitted with Full Authority Digital Engine Controls (FADEC) Systems
PS-ANE100-2001-1998- 33.69-R1	Evaluating Ignitions System Requirements
PS-ANE110-2000-33.7-RO	Policy for Approval of One Engine Inoperative (OEI) Ratings for Engines with Multiple Turbomachinery Power Sources
PS-ANE110-2001-35.1-R0	Parts Manufacturer Approval (PMA) for Critical Propeller Parts
PS-ANE-2002-33.15-R0	14 CFR §33.15, Materials
PS-ANE-2003-35-1-R0	Propeller Ice Protection Equipment
PS-ANE-2004-33.4-4	Design Approval Procedures for Parts Manufacturer Approval of Critical Engine and Propeller Parts
PS-ANE-2011-33-1	Engine Reliability in Extended Operations (ETOPS) – Continued Operational Safety (COS) Assessments (PS-ANE-2011-33-1)
PS-ANE-33.73-01	Guidance for Power or Thrust Response Testing for Turbine Engines, § 33.73
PS-ANE-33.83-01	Clarification for 14 CFR Part 33.83 Vibration Test
PS-ANE-33.89-01	Policy for Turbofan, Turbojet and Turboprop Engine Rotor Lock
PS-ANE33-ACE23-2006-1	Approval for 10-Minute Rated Takeoff Thrust/Power during Takeoff with One-Engine Inoperative (OEI)
PS-ANM-01-02	Type Certification Assessment of Thrust Management Systems
PS-ANM-02-113-016	Guidance for the Certification of Honeywell Primus Epic Systems
PS-ANM-03-112-06	Below Deck Cargo Compartment Smoke Penetration into Occupied Areas
PS-ANM-03-112-16	Interim Policy on High Altitude Cabin Decompression

Policy Number	Title
PS-ANM-03-115-05	Policy Statement and Equivalent Safety Finding on No Smoking Placards and Signs
PS-ANM-03-117-09	Guidance for Determination of System, Hardware, and Software Development Assurance Levels on Transport Category Airplanes
PS-ANM-04-115-28	Fittings on Passengers' Seats
PS-ANM100-00034	Requested Guidance Material for Certification of Slides and Slide/rafts (FAR 25.809)
PS-ANM100-00037	Yaw Angle for the Down Test in Dynamic Seat Test, § 25.562
PS-ANM100-00-113-1034	Use of ARAC (Aviation Rulemaking Advisory Committee) Recommended Rulemaking not yet formally adopted by the FAA, as a basis for equivalent level of safety or exemption to Part 25.
PS-ANM100-01-03A	Factors to Consider when Reviewing an Applicant's Proposed Human Factors Methods of Compliance for Flight Deck Certification
PS-ANM100-02-115-15	New Policy with respect to compliance with § 25.785(d), Amendment 25-88, for certification of passenger seat armrests.
PS-ANM100-02-115-20	Corded Electrical Devices Used in the Passenger Cabin
PS-ANM100-02-115-21	Stowage, Retention, and Breakaway of Deployable Individual Video Systems (IVS) Installed in Transport Airplane Seats
PS-ANM100-1981-00022	Separation of Control Systems
PS-ANM100-1981-00046	Policy Concerning Substantiation of Control Surface Tabs for FAR 25.629(d) and 25.629(d)(4)(vi); ASW-210 ltr of 2-5-81
PS-ANM100-1981-00108	FAR 25.571 as Applied to Dehavilland DHC-8 Engine Mounts
PS-ANM100-1982-00038	FAR 25.723 "Energy Absorption Tests"
PS-ANM100-1982-00124	Interpretation of FAR 25.801 (d), Ditching Approvals of transport Airplanes
PS-ANM100-1983-00043	Flyable Crack Limits in Primary Structures
PS-ANM100-1983-00101	Flyable Crack Limits in Primary Structures
PS-ANM100-1984-00039	Failsafe Tab Control Systems, FAR 25.629
PS-ANM100-1984-00053	Requirement for Fail-Safe Wing Flap Design; Ref. ANM-112 ltr dtd 12/8/81
PS-ANM100-1985-00017	Definition of Terms Used in FAR 25.1439

Policy Number	Title
PS-ANM100-1985-00030	Liferaft Requirements for Transport Category Airplanes
PS-ANM100-1986-00019	Policy Regarding Compliance With Control System Operations Test § 25.683
PS-ANM100-1986-00051	Policy Regarding Use of H-11 bolts in Primary Structure on Transport Airplanes
PS-ANM100-1986-00055	Structural Integrity Limits in Primary Aircraft Structure
PS-ANM100-1987-00016	Fire Containment Testing of Special Purpose Waste Receptacles
PS-ANM100-1987-00031	Location of Passenger Center of Gravity Above the Compressed Seat Cushion for Compliance With § 25.561 and TSO-C39
PS-ANM100-1987-00033	Passenger capacities for combi airplanes with only one pair of exits
PS-ANM100-1987-00052	Rapid Decompression into Normally Unpressurized Areas
PS-ANM100-1988-00040	FAA Policy With Respect to Damage Tolerance of Engine Mounts
PS-ANM100-1989-00018	Guidance for Installation of Door Warning Lights
PS-ANM100-1989-00044	Guidance Concerning Continued Operational Safety and Airworthiness Directives (AD)
PS-ANM100-1989-00048	Policy Regarding Impact of Modifications and Repairs on the Damage Tolerance Characteristics of Transport Category Airplanes
PS-ANM100-1990-00042	Additional Guidance Concerning Continued Operational Safety and Airworthiness Directives (AD).
PS-ANM100-1991-00024	Access to Emergency Exits
PS-ANM100-1991-00025	Access to Type III Emergency Exits
PS-ANM100-1991-00029	Guidance for Incubators and Emergency Equipment
PS-ANM100-1991-00049	Policy Regarding Material Strength Properties and Design Values, § 25.613.
PS-ANM100-1992-00045	Interpretation of FAA requirements concerning special structural factors for transport airplane interior components
PS-ANM100-1992-00050	Policy regarding open drill holes in primary fuselage structure. Ref. Detroit FSDO - Recommendation for Accident Prevention 90-203.
PS-ANM100-1992-00057	Airspeed Displays for Electronic Flight Instrument Systems (EFIS)

Policy Number	Title
PS-ANM100-1993-00015	Guidance on Passenger Cabin Fire Extinguishers
PS-ANM100-1993-00023	Acceptance of Technical Standard Order (TSO) Holder's Data for Compliance with Part 25 Dynamic Testing Requirements.
PS-ANM100-1993-00027	Compliance with the Requirements of § 25.811(c)
PS-ANM100-1993-00041	Compliance with § 25.571(e) Discrete Source Damage (Uncontained Engine Failure).
PS-ANM100-1993-00047	Policy regarding fail-safe features of structures designed to the damage tolerance requirements of § 25.571
PS-ANM100-1993-00054	Revision of Multiple Burst Lightning Environment
PS-ANM100-1994-00028	Video monitors
PS-ANM100-1994-00032	Modifying the guidance in Advisory Circular (AC) 25-17 "Transport Airplane Cabin Interiors Crashworthiness Handbook"
PS-ANM100-1994-00035	Seat Strength Policy Regarding § 25.562
PS-ANM100-1994-00059	Engine Inoperative Ten Minute Takeoff Thrust/Power Rating (Revision to 6/28/94 Memorandum)
PS-ANM100-1995-00020	Policy regarding flight control jams for "normally encountered positions" § 25.671(c)(3)
PS-ANM100-1995-00058	Go-Around Power/Thrust Settings on Transport Category Airplanes
PS-ANM100-1995-00104	The Role of Maintenance Computers in Exposure Time Assumptions For Quantitative Safety Analyses
PS-ANM100-1996-00036	Slide Cold Soak Test Protocol
PS-ANM100-1996-00056	Low and High Speed Awareness Cues for Linear Tape Airspeed Displays
PS-ANM100-1996-00121	FAA Policy Concerning Use of Dynamically Tested Seats in New or Modified Transport Category Airplanes
PS-ANM100-1996-00128	Simplified Procedure for Addressing the Head Injury Criteria of § 25.562
PS-ANM100-1997-00111	Unusable Fuel Quantity for Gulfstream GV
PS-ANM100-1997-00122	Guidance for Demonstrating Compliance with Seat Dynamic Testing Deceleration Pulse Shapes
PS-ANM100-1997-00127	Side-Facing Seats on Transport Category Airplanes

Policy Number	Title
PS-ANM100-1999-00021	Requirements of FAR 25.1357(e)
PS-ANM100-1999-00026	Additional Guidance on Seat Dynamic Testing
PS-ANM100-1999-00062	Airplane Operation with Air Conditioning Packs-Off
PS-ANM100-1999-00107	Flutter Substantiation for Fin Tip Modifications for Transport Airplanes
PS-ANM100-2000-00103	Certification Options for Class E Cargo Compartments on Aircraft having a Volume of 800 ft³ or less
PS-ANM100-2000-00105	Interim Policy Guidance for Certification of In-Flight Entertainment Systems on Title 14 CFR Part 25 Aircraft
PS-ANM100-2000-00106	Free-play limits and inspection procedures for flutter prevention, § 25.629 and Advisory Circular (AC) 25.629-1A
PS-ANM100-2000-00112	Availability of All-Engine Maximum Continuous Thrust (MCT)
PS-ANM100-2000-00118	Use of the Aircraft Materials Fire Test Handbook
PS-ANM100-2000-00123	Guidance for Demonstrating Compliance with Seat Dynamic Testing for Plinths and Pallets
PS-ANM100-2000-00125	Passenger Cabin Interior Doors
PS-ANM100-2001-00078	Guidance on Use of Previously Approved Compliance Data from Foreign Sources
PS-ANM100-2001-00109	Ram Air Turbine (RAT) Approval
PS-ANM100-2001-00113	Interim Summary of Policy and Advisory Material Available for Use In the Certification of Cabin Mounted Video Cameras Systems with Flight Deck Displays on Title 14 CFR Part 25 Aircraft
PS-ANM100-2001-00114	Interim Summary of Policy and Advisory Material Available for Use Cabin to Flight Deck Alerting Systems on Title In the Certification of Airplane 14 CFR Part 25 Aircraft
PS-ANM100-2001-115-11	Certification of Strengthened Flightdeck Doors on Transport Category Airplanes
PS-ANM100-2001-116	Policy Statement with respect to All Electrical Attitude, Altitude, Direction and Airspeed Systems using Battery Standby Power
PS-ANM100-2002-00120	Compliance Questions and Answers with Respect to SFAR No. 88, Fuel Tank Safety, for Transport Category Airplanes
PS-ANM100-2002-113-005	Dissemination of Information to Protect Proprietary Information Submitted with a Petition for Exemption
PS-ANM100-2003-10019	Policy Statement on Evaluating a Seat Armrest Cavity for a Potential Fire Hazard.

Policy Number	Title
PS-ANM100-2003-112-15	SFAR 88 - Mandatory Action Decision Criteria
PS-ANM100-2003-115-04	Exit Bands
PS-ANM110-1998-00061	Wording Change to ACARS Airplane/Rotorcraft Flight Manuals
PS-ANM110-1999-115-99-22	Transport Airplane Directorate Policy Regarding Methods Used to Determine the Likelihood of Catastrophic Failure Events
PS-ANM110-2000-113-1015	Cooktop Special Condition
PS-ANM110-2001-115-32	Policy Statement with respect to use of Industry Standards in Seat Certification
PS-ANM110-7-12-2005	Safety – A Shared Responsibility – New Direction for Addressing Airworthiness Issues for Transport Airplanes
PS-ANM111-1999-99-2	Guidance for Reviewing Certification Plans to Address Human Factors for Certification of Transport Airplane Flight Decks
PS-ANM111-2001-99-01	Improving Flightcrew Awareness During Autopilot Operation
PS-ANM112-05-001	Process for Developing SFAR 88-related Instructions for Maintenance and Inspection of Fuel Tank Systems
PS-ANM-115-05-005	Replacement of seat bottom cushions
PS-ANM-115-05-10	Restraint Systems on Forward and Aft Facing Seats
PS-ANM-25.1441-01	Mitigating Fire Hazards in Gaseous Oxygen Systems
PS-ANM-25.815-01	Compliance with the Aisle Width Requirements of § 25.815
PS-ANM-25.853-01-R2	Flammability Testing of Interior Materials
PS-ANM-25.981-02	Policy on Issuance of Special Conditions and Exemptions Related to Lightning Protection of Fuel Tank Structure and Systems
PS-ANM-25-02	Guidance for Screening for Engine Rotor Lock in Transport Category Airplanes During Aircraft Certification
PS-ANM-25-03-R1	Technical Criteria for Approving Side-Facing Seats
PS-ANM-25-04	Chemical Oxygen Generator Installations
PS-ANM-25-05	Risk Assessment Methodology for Transport Category Airplanes

Policy Number	Title
PS-ANM-25-08	Application of AC 20-170, Integrated Modular Avionics Development, Verification, Integration, and Approval Using RTCA/DO-297 and Technical Standard Order-C153.
PS-ANM-25-10	Type Certification Policy for Approval of Use of Type II, III, and IV Deicing/Anti-Icing Fluids on Airplanes Certificated Under 14 CFR Parts 23 and 25
PS-ANM-25-11	Guidance for Hazard Classifications of Failure Conditions that Lead to Runway Excursions
PS-ANM-25-12	Certification of Structural Elements in Flight Control Systems
PS-ANM-25-13	Electromagnetic Compatibility Demonstration for Airplane Wireless Radio Frequency Networks
PS-ANM-25-18	Post-Maintenance Checks and Tests
PS-ANM-25-19	Flightcrew Procedures for Addressing Fire Hazards in the Flight Deck
PS-ANM-25-20	High-Energy Wide-Area Blunt Impact for Composite Structures
PS-ASW-100-05-001	Lavatory Installations on Rotorcraft
PS-ASW-100-09-001	Policy Statement on Approved Model List (AML) Supplemental Type Certificate (STC) Approval of Avionics Installations on Rotorcraft
PS-ASW100-2001-01	Certification Guidelines for Compliance to the Requirements for Electro-Magnetic Compatibility (EMC) Testing
PS-ASW-27,29-09	Rotorcraft Advanced Flight Controls (AdFC) Handbook
PS-ASW-27,29-10	Policy Statement Concerning Non-Required Safety Enhancing Equipment (NORSEE) in Rotorcraft
Secondary Composite Structure - Rot	Secondary Composite Structure - Rotorcraft Directorate Policy

# TECHNICAL STANDARD ORDERS

TSO	Title
TSO-C1E	Cargo Compartment Fire Detection Instruments
TSO-C2D	Airspeed Instruments
TSO-C3E	Turn and Slip Instrument
TSO-C4C	Bank and Pitch Instruments
TSO-C5F	Direction Instrument, Non-Magnetic (Gyroscopically Stabilized)
TSO-C6E	Direction Instrument, Magnetic (Gyroscopically Stabilized)
TSO-C7D	Direction Instrument, Magnetic Non-Stabilized Type (Magnetic Compass)
TSO-C8E	Vertical Velocity Instruments (Rate-of-Climb)
TSO-C10b	Altimeter, Pressure Actuated, Sensitive Type
TSO-C10C	Pressure Altimeter System
TSO-C11E	Powerplant Fire Detection Instruments (Thermal and Flame Contact Types)
TSO-C13F	Life Preservers
TSO-C14B	Aircraft Fabric, Intermediate Grade
TSO-C15D	Aircraft Fabric, Grade A
TSO-C16A	Electrically Heated Pitot and Pitot-Static Tubes
TSO-C19C	Portable Water Solution Type Hand Fire Extinguisher
TSO-C20	Combustion Heaters
TSO-C20A-1	Amendment-1, Combustion Heaters
TSO-C21B	Aircraft Turnbuckle Assemblies and/or Turnbuckle Safetying Devices

TSO	Title
TSO-C22G	Safety Belts
TSO-C23F	Personnel Parachute Assemblies and Components
TSO-C25A	Aircraft Seats and Berths (Type I Transport, 6g Forward Load)
TSO-C26D	Aircraft Wheels, Brakes and Wheel/Brake Assemblies for Parts 23, 27 and 29 Aircraft
TSO-C27	Twin Seaplane Floats
TSO-C28	Aircraft Skis
TSO-C30C	Aircraft Position Lights
TSO-C34E	ILS Glide Slope Receiving Equipment Operating within the Radio Frequency Range of 328.6-335.4 Megahertz (MHz)
TSO-C35D	Airborne Radio Marker Receiving Equipment
TSO-C36E	Airborne ILS Localizer Receiving Equipment Operating within the Radio Frequency Range of 108-112 Megahertz (MHz)
TSO-C39b	Aircraft Seats and Berths
TSO-C39C	9g Transport Airplane Seats Certified By Static Testing
TSO-C40C	VOR Receiving Equipment Operating within the Radio Frequency Range Of 108-117.95 Megahertz (MHz)
TSO-C41D	Airborne Automatic Direction Finding (ADF) Equipment
TSO-C42	Propeller Feathering Hose Assemblies
TSO-C43C	Temperature Instruments
TSO-C44C	Fuel Flowmeters
TSO-C45B	Manifold Pressure Instruments
TSO-C46A	Maximum Allowable Airspeed Indicator Systems
TSO-C47A	Fuel, Oil, and Hydraulic Pressure Instruments

TSO	Title
TSO-C48A	Carbon Monoxide Detector Instruments
TSO-C49B	Electric Tachometer: Magnetic Drag (Indicator and Generator)
TSO-C53A	Fuel and Engine Oil System Hose Assemblies
TSO-C54	Stall Warning Instruments
TSO-C55A	Fuel and Oil Quantity Instruments
TSO-C56B	Engine Driven Direct Current Generator / Starter Generators
TSO-C59a	Airborne Selective Calling (SELCAL) Equipment
TSO-C59B	Airborne Selective Calling (SELCAL) Equipment
TSO-C62E	Aircraft Tires
TSO-C63d	Airborne Weather Radar Equipment
TSO-C63E	Airborne Weather Radar Equipment
TSO-C64B	Passenger Oxygen Mask Assembly, Continuous Flow
TSO-C66C	Distance Measuring Equipment (DME) Operating within the Radio Frequency Range of 960-1215 Megahertz
TSO-C69C	Emergency Evacuation Slides, Ramps, Ramp/Slides, and Slide/Rafts
TSO-C70B	Life Rafts
TSO-C71	Airborne Static ("DC to DC") Electrical Power Converter (for Air Carrier Aircraft)
TSO-C72C	Individual Flotation Devices
TSO-C73	Static Electrical Power Inverter
TSO-C74D	Air Traffic Control Radar Beacon System (ATCRBS) Airborne Equipment
TSO-C75	Hydraulic Hose Assemblies

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TSO-C76B	Fuel Drain Valves
TSO-C77B	Gas Turbine Auxiliary Power Units
TSO-C78A	Crewmember Demand Oxygen Mask
TSO-C79	Fire Detectors (Radiation Sensing Type)
TSO-C80	Flexible and Oil Cell Material
TSO-C85B	Survivor Locator Lights
TSO-C87A	Airborne Low-Range Radio Altimeter
TSO-C88B	Automatic Pressure Altitude Reporting Code-Generating Equipment
TSO-C89A	Crewmember Oxygen Regulators, Demand
TSO-C90D	Cargo Pallets, Nets and Containers (Unit Load Devices)
TSO-C92C	Airborne Ground Proximity Warning Equipment
TSO-C93	Airborne Interim Standard Microwave Landing System Converter Equipment
TSO-C95A	Mach Meters
TSO-C96A	Anticollision Light Systems
TSO-C99A	Flight Deck (Sedentary) Crewmember Protective Breathing Equipment
TSO-C100C	Child Restraint Systems
TSO-C102	Airborne Radar Approach and Beacon Systems for Helicopters
TSO-C103	Continuous Flow Oxygen Mask Assembly (for Non-Transport Category Aircraft)
TSO-C104	Microwave Landing System (MLS) Airborne Receiving Equipment
TSO-C105	Optional Display Equipment for Weather and Ground Mapping Radar Indicators

TSO	Title
TSO-C106	Air Data Computer
TSO-C109	Airborne Navigation Data Storage System
TSO-C110A	Airborne Passive Thunderstorm Detection Equipment
TSO-C112E	Air Traffic Control Radar Beacon System/Mode Select (ATCRBS / Mode S) Airborne Equipment
TSO-C113A	Airborne Multipurpose Electronic Displays
TSO-C114	Torso Restraint Systems
TSO-C115c	TSO-C115c, Flight Management System (FMS) Using Multi-Sensor Inputs
TSO-C115D	Required Navigation Performance (RNP) Equipment Using Multi-Sensor Inputs
TSO-C116A	Crewmember Portable Protective Breathing Equipment
TSO-C117A	Airborne Windshear Warning and Escape Guidance Systems for Transport Airplanes
TSO-C118	Traffic Alert And Collision Avoidance System (TCAS) Airborne Equipment, TCAS I
TSO-C118A	Traffic Alert and Collision Avoidance System (TCAS) Airborne Equipment, TCAS I
TSO-C119d	Traffic Alert And Collision Avoidance System (TCAS) Airborne Equipment, TCAS II With Hybrid Surveillance
TSO-C119E	Traffic Alert and Collision Avoidance System (TCAS) Airborne Equipment, TCAS II with Hybrid Surveillance
TSO-C121B	Underwater Locating Devices (Acoustic) (Self-Powered)
TSO-C122A	Equipment That Prevents Blocked Channels Used In Two-Way Radio Communications Due to Simultaneous Transmissions
TSO-C123C	Cockpit Voice Recorder Equipment
TSO-C124C	Flight Data Recorder Equipment
TSO-C126B	406 MHz Emergency Locator Transmitter (ELT)
TSO-C127B	Rotorcraft, Transport Airplane, and Small Airplane Seating Systems

TSO	Title
TSO-C128A	Equipment That Prevents Blocked Channels Used In Two-Way Radio Communications Due to Unintentional Transmissions
TSO-C132	Geosynchronous Orbit Aeronautical Mobile Satellite Services Aircraft Earth Station Equipment
TSO-C132A	Minimum Operational Performance Standards for Geosynchronous Orbit Aeronautical Mobile Satellite Services (AMSS) Avionics
TSO-C135A	Transport Airplane Wheels and Wheel and Brake Assemblies
TSO-C137A	Aircraft Portable Megaphones
TSO-C139A	Aircraft Audio Systems and Equipment
TSO-C140	Aerospace Fuel, Engine Oil, and Hydraulic Fluid Hose Assemblies
TSO-C141	Aircraft Fluorescent Lighting Ballast/Fixture Equipment
TSO-C142A	NON-RECHARGEABLE LITHIUM CELLS and BATTERIES
TSO-C144A	Passive Airborne Global Navigation Satellite System (GNSS) Antenna
TSO-C145D	Airborne Navigation Sensors Using the Global Positioning System Augmented By the Satellite Based Augmentation System (SBAS)
TSO-C146D	Stand-Alone Airborne Navigation Equipment Using the Global Positioning System Augmented By the Satellite Based Augmentation System (SBAS)
TSO-C147A	Traffic Advisory System (TAS) Airborne Equipment
TSO-C148	Aircraft Mechanical Fasteners
TSO-C149	Aircraft Bearings
TSO-C150A	Aircraft Seals
TSO-C151C	Terrain Awareness and Warning System (TAWS)
TSO-C153	Integrated Modular Avionics Hardware Elements
TSO-C154C	Universal Access Transceiver (UAT) Automatic Dependent Surveillance-Broadcast (ADS-B) Equipment Operating On Frequency Of 978 MHz
TSO-C155a	Recorder Independent Power Supply

TSO	Title
TSO-C155B	Recorder Independent Power Supply (RIPS)
TSO-C157a	Aircraft Flight Information Services-Broadcast (FIS-B) Datalink Systems And Equipment
TSO-C157B	Flight Information Services-Broadcast (FIS-B) Equipment
TSO-C158	Aeronautical Mobile High Frequency Data Link (HFDL) Equipment
TSO-C159a	Next Generation Satellite Systems (NGSS) Equipment
TSO-C159b	Next Generation Satellite Systems (NGSS) Equipment
TSO-C159C	Next Generation Satellite Systems (NGSS) Equipment
TSO-C160A	Very High Frequency (VHF) Digital Link (VDL) Mode 2 Communications Equipment
TSO-C161A	Ground Based Augmentation System Positioning and Navigation Equipment
TSO-C162A	Ground Based Augmentation System Very High Frequency Data Broadcast Equipment
TSO-C163A	VDL Mode 3 Communications Equipment Operating within the Frequency Range 117.975-137.000 Megahertz
TSO-C164	Night Vision Goggles
TSO-C164A	Night Vision Goggles
TSO-C165	Electronic Map Display Equipment For Graphical Depiction Of Aircraft Position
TSO-C165A	Electronic Map Display Equipment for Graphical Depiction Of Aircraft Position (Own-Ship)
TSO-C166B	Extended Squitter Automatic Dependent Surveillance - Broadcast (ADS-B) and Traffic Information Service - Broadcast (TIS-B) Equipment Operating On the Radio Frequency Of 1090 Megahertz (MHz)
TSO-C167	Personnel Carrying Device Systems (PCDS), Also Know As Human Harnesses
TSO-C168	Aviation Visual Distress Signals
TSO-C169A	VHF Radio Communications Transceiver Equipment Operating within Radio Frequency Range 117.975 to137.000 Megahertz
TSO-C170	High Frequency (HF) Radio Communications Transceiver Equipment Operating within the Radio Frequency Range 1.5 to30 Megahertz

TSO	Title
TSO-C171	Aircraft Clamps
TSO-C172A	Cargo Restraint Strap Assemblies
TSO-C173A	Nickel-Cadmium, Nickel Metal-Hydride, and Lead-Acid Batteries
TSO-C174	Battery Based Emergency Power Unit (BEPU)
TSO-C175	Galley Cart, Containers and Associated Components
TSO-C176A	Cockpit Image Recorder Equipment
TSO-C177A	Data Link Recorder Equipment
TSO-C178	Single Phase 115 VAC, 400 Hz Arc Fault Circuit Breakers
TSO-C179A	Permanently Installed Rechargeable Lithium Cells, Batteries and Battery Systems
TSO-C184	Airplane Galley Insert Equipment, Electrical/Pressurized
TSO-C190	Active Airborne Global Navigation Satellite System (GNSS) Antenna
TSO-C194	Helicopter Terrain Awareness and Warning System (HTAWS)
TSO-C195B	Avionics Supporting Automatic Dependent Surveillance – Broadcast (ADS-B) Aircraft Surveillance Applications (ASA)
TSO-C196B	Airborne Supplemental Navigation Sensors for Global Positioning System Equipment Using Aircraft-Based Augmentation
TSO-C197	Information Collection and Monitoring Systems
TSO-C198	Automatic Flight Guidance and Control System (AFGCS) Equipment
TSO-C199	Traffic Awareness Beacon System (TABS)
TSO-C200A	Airframe Low Frequency Underwater Locating Device (Acoustic) (Self-Powered)
TSO-C201	Attitude and Heading Reference Systems (AHRS)
TSO-C202	Cargo Stopper Devices

TSO	Title
TSO-C203	Fire Containment Covers (FCC)
TSO-C204	Circuit Card Assembly Functional Sensors Using Satellite-Based Augmentation System (SBAS) for Navigation and Non-Navigation Position/Velocity/Time Output.
TSO-C205	Circuit Card Assembly Functional Class Delta Equipment Using the Satellite-Based Augmentation System for Navigation Applications.
TSO-C206	Circuit Card Assembly Functional Sensors Using Aircraft-Based Augmentation for Navigation and Non-Navigation Position/Velocity/Time Output.
TSO-C207	Aeronautical Mobile Airport Communication System (AeroMACS)
TSO-C209	Electronic Flight Instrument System (EFIS) Display

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# **QMS DOCUMENTS**

QMS work instructions are only applicable to the offices listed in the scope of the document. The C&A Division Director may authorize changes to QMS documents that are applicable to design approvals. The SO Division Director may authorize changes to QMS documents that are applicable to manufacturing.

Туре	Number	Title			
QMS process	AIR-001-001	AIR Management Review			
QMS boundaries doc	AIR-001-002A	AIR Annex (Office of the Director)			
QMS boundaries doc	AIR-001-002B	AIR Annex (International)		AIR Annex (International)	
QMS boundaries doc	AIR-001-002C	AIR Annex (Manufacturing)			
QMS boundaries doc	AIR-001-002D	AIR Annex (Engineering)			
QMS boundaries doc	AIR-001-002E	AIR Annex (Standards Staff)			
QMS boundaries doc	AIR-001-003	AIR Office Location Matrix			
QMS process	AIR-001-006	AIR Internal Assessment Program			
QMS process	AIR-001-007	AIR Document Control Process			
QMS process	AIR-001-013	AIR Consistency and Standardization Initiative Process			
QMS boundaries doc	AIR-002-000	Aircraft Certification Service Business Processes Map			
QMS work instruction.	AIR-002-033-W1	AIR Initial Responses to NTSB Safety Recommendations			
QMS process	AIR-002-039	AIR Delegation of Signature Authority.			
QMS process	AIR-002-044	Aircraft Certification Service Training Support Request Process			
QMS work instruction	AIR-ACE-032-W1	Chicago Aircraft Certification Office Continued Operational Safety Program			
QMS work instruction	AIR-ACE-115A-050-W2	Atlanta ACO Type Inspection Authorization (TIA) Work Instruction			
QMS work instruction	AIR-ACE-115A-081-W1	Atlanta ACO Technical Standard Order Authorization Work Instruction			

Туре	Number	Title	
QMS work instruction	AIR-ANE-050-W1	E&PD Work Instruction for Equivalent Level of Safety  Memorandums	
QMS work instruction	AIR-ANE-071-W1	ANE Import Procedures for U.S. Standard Airworthiness Certificate	
QMS work instruction	AIR-ANE-082-W1	E&PD Type Validation Principles Work Instruction — Process for Creating Standards Difference and Validation Item Lists	
QMS work instruction	AIR-ANE-083-W1	ANE ODA Folder Work Instruction	
QMS work instruction	AIR-ANE-085-W1	ANE Manufacturing Project Folder Work Instruction	
QMS work instruction	AIR-ANE-110-031-W1	E&PD Special Airworthiness Information Bulletin Work Instruction	
QMS work instruction	AIR-ANM-004-W1	Transport Airplane Directorate (TAD) Extension Request for CARs/PARs/NCRs	
QMS work instruction	AIR-ANM-007-W1	Transport Airplane Directorate (TAD) Document Control Work Instruction	
QMS work instruction	AIR-ANM-033-W1	TAD Airplane Accident Response Plan	
QMS work instruction	AIR-ANM-037-W1	Transport Airplane Directorate Continued Operational Safety Program	
QMS work instruction	AIR-ANM-050-W1	Transport Airplane Issue Paper Development and Approval	
QMS work instruction	AIR-ANM-050-W3	Issuance of Transport Airplane Exemptions	
QMS work instruction	AIR-ANM-050-W4	Issuance of Transport Airplane Special Conditions	
QMS work instruction	AIR-ANM-050-W6	Transport Airplane Directorate (TAD) Action Stamp Work Instruction	
QMS work instruction	AIR-ANM-050-W7	Transport Airplane Directorate (TAD) Administrative Processes for the Reissuance of Type Certificates (TC) and Supplemental Type Certificates (STC)	
QMS work instruction	AIR-ANM-050-W8	Preparation and Approval of Transport Airplane Equivalent Level of Safety Memorandums	
QMS work instruction	AIR-ANM-050-W9	Technical Advisory Board Work Instruction	
QMS work instruction	AIR-ANM-082-W1	Creating Standards Differences Lists	
QMS work instruction	AIR-ANM-083-W1	TAD Supervision of ODA	
QMS work instruction	AIR-ASW-082-W1	Rotorcraft Directorate Type Validation Work Instruction – Process for Creating Standards Differences Lists	

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Туре	Number	Title
QMS work instruction	AIR-ASW-110-033-W1	Accident Investigation Work Instruction
QMS boundaries doc	AVS-001-007-F2	AIR External Document Matrix

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## **Appendix D. Additional Clarification**

#### **ORDERS**

#### 4040.26B, Aircraft Certification Service Flight Test Risk Management Program

The clarification needed for FAA Order 4040.26B is beyond the scope of this order. A deviation memorandum was released to clarify the information FAA Order 4040.26B.

#### IR-M 8040.1C, Airworthiness Directives Manual

The project officer will be the project officer in the applicable product standards branch.

Chapter 7, Paragraph 3, AD Numbering: When assigning directorate identifiers continue to use the two-letter designator for the geographic region of the standards branch that drafts the AD action.

#### 8100.8D, Designee Management Handbook

Chapter 5, Paragraph 505 a(4), Administrative Requirements, on page 5-5: When assigning designee numbers continue to use directorate-based geographic codes.

Applications for Flight Test Pilot or Flight Analyst appointments will be submitted to the cognizant ACO. Once the application is received, the ACO will coordinate with AIR-710 to complete application processing. The evaluation of the application and the appointment of a FTP/FA DER will be accomplished by AIR-710.

The management of Flight Test Pilot and/or Flight Analyst DERs including the assignment of advisors, orientation of new DERs, oversight, evaluations, renewals, terminations and appeals will be handled by AIR-710. For the purposes of this transition order, AIR-710 will be synonymous with an ACO appointing office and managing office. References to ACO manager will be synonymous with AIR-710 manager.

A DER with more than one discipline that includes Flight Test Pilot and/or Flight Analyst along with an ACO managed discipline (e.g., Mechanical Systems), may be managed by either the ACO or AIR-710 with the other office coordinating on the management of the DER.

#### 8100.15B, Organization Designation Authorization Procedures

Paragraph 16-3(c), on page 16-1: When assigning ODA numbers continue to use directorate-based geographic codes.

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#### 8110.4C, Change 6, Type Certification

All descriptions of the AIR organization are no longer relevant.

Any director or executive director may authorize a Special Certification Review.

#### 8110.37E, Designated Engineering Representative (DER) Handbook

Replace references to AIR-110 with AIR-6F0.

Replace AIR-100 with Policy and Innovation (P&I) Division, AIR-600

Replace AIR-40 with International Division, AIR-400.

The managing "ACO" for Flight Analyst DERs and Flight Test Pilot DERs is AIR-710.

### 8110.100B, Special Airworthiness Information Bulletin

Replace references to "AIR Headquarters" with the Policy and Innovation (P&I) Division.

#### 8120.16A, Suspected Unapproved Parts Program

Replace references to AIR-100 with AIR-600.

#### 8120.22A, Production Approval Procedures

Directorate Office means the Manufacturing Inspection Branch.

Directorate Manager means the Division Director of System Oversight Division.

#### 8120.23A, Certificate Management of Production Approval Holders

Paragraph 3-27(b): Continue to use directorate-based geographic codes when assigning the QSA number.

## 8130.2H, Airworthiness Certification of Products and Articles

Chapter 6, Paragraph 605(j), page 6-5: "The MIO of the product-cognizant directorate" for imported products will be AIR-870 for transport, AIR-880 for rotorcraft, AIR-890 for small airplanes (including gliders, manned free balloons, etc.), and AIR-8A0 for engines and propellers.

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#### ADVISORY CIRCULARS

## 20-66B, Propeller Vibration and Fatigue

The directorate project officer will be the project officer in the applicable product standards branch.

#### POLICY MEMOS AND POLICY STATEMENTS

(Reserved)

#### TECHNICAL STANDARD ORDERS

(Reserved)

#### *QMS RELATED DOCUMENTS*

#### QMS process AIR-001-001, AIR Management Review

The term "Directorate" in the document describes Division level activities and the term "Division" refers to any AIR Division.

## QMS process AIR-001-007, AIR Document Control Process

The term "Directorate" in the document describes Division level activities and the term "Division" refers to any AIR Division..

#### QMS process AIR-001-013, AIR Consistency and Standardization Initiative Process

The term "Directorate" in the document describes Division level activities and the term "Division" refers to any AIR Division..

# QMS work instruction, <u>AIR-002-033-W1</u>, <u>AIR Initial Responses to NTSB Safety Recommendations</u>

Replace references to AIR-103 with the P&I Division, AIR-600. The P&I Division will identify a focal point for this work instruction.

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## **Appendix E. Information Technology Tools**

- 1. ANMInfo
- 2. Aviation Safety Knowledge Management Environment (ASKME) Reporting Center (ARC)
- 3. ASKME- Aircraft Certification Audit Information System (ACAIS)
- 4. ASKME-Assimilate Leasons Learned
- 5. ASKME Engineering Design and Production Approval (EDPA)
- 6. ASKME- Electronic Filing Service (EFS)
- 7. ASKME-Enterprise Services
- 8. ASKME- Monitor Safety & Analyze Data (MSAD)
- 9. ASKME- Oversee System Performance (OSP)
- 10. ASKME- Risk-Based Resource Targeting (RBRT)
- 11. ASKME- Work Activity Tracking (WAT)
- 12. Certification Project Notification (CPN)
- 13. Designee Information Network (DIN)
- 14. Designee Management System (DMS)
- 15. Designee Registration System (DRS)
- 16. Engineering Infrastructure Services (EIS)
- 17. Flight Activity and Crew Tracking System (FACTS)
- 18. Flight Test Database
- 19. National Automated Conformity Inspection Process (NACIP)
- 20. National Transportation Safety Board (NTSB) Safety Recommendations Database
- 21. Organization Designation Authorization (ODA) Scorecard
- 22. Risk Based Resource Targeting Alternative (RBRTa) and Risk Based Resource Targeting ODA (RBRTo)
- 23. Rotorcraft Directorate (RCD) MSAD Assignment Tracking
- 24. Regulatory and Guidance Library (RGL)
- 25. Rotorcraft Airworthiness Direction (AD) Tracking
- 26. Transport Airplane Directorate (TAD) Airworthiness Direction (AD) Database
- 27. Transport Airplane Directorate (TAD) Tech Writer Database (DB)
- 28. Work Tracking System (WTS)

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# Appendix F. FAA Form 1320-19, Directive Feedback Information

# FAA Form 1320-19, Directive Feedback Information

Please submit any written comments or recommendations for improving this directive, or suggest new items or subjects to be added to it. Also, if you find an error, please tell us about it.

Subject: FAA Order 8100.18

**FAA Form 1320-19** (10-98)

To: Directives Management Officer (I complete the form online at
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